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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/775,886	02/02/2001	Garret Minakawa	50277-1639	8654

29989 7590 09/12/2003  
HICKMAN PALERMO TRUONG & BECKER, LLP  
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SAN JOSE, CA 95125

EXAMINER
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BULLOCK JR, LEWIS ALEXANDER

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 09/12/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/775,886

Applicant(s)

MINAKAWA ET AL.

Examiner

Lewis A. Bullock, Jr.

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10 and 21 is/are allowed.
- 6) ☒ Claim(s) 1-3,6,7,9,11-14,17,18,20 and 22 is/are rejected.
- 7) ☒ Claim(s) 4,5,8,15,16 and 19 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 10 and 21 are allowed.
2. Claims 4, 5, 8, 15, 16, and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
3. The following is a statement of reasons for the indication of allowable subject matter: All of the claims are allowable for at least the following reasoning: Some of the claims indicate that the conversion rules are stored based on a plurality of categories wherein the first data associates a category of a plurality of categories with conversion rules such that the inspecting determines the code conversion category first, and then the conversion rule. None of the prior art of record teach the mapping of conversion rules to conversion categories as detailed in the claims.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-3, 6, 7, 9, 11-14, 17, 18, 20 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by CROZIER (US 5,701,423).

As to claim 1, CROZIER teaches a method for converting code values between applications (handheld and desktop computer applications) (col. 5, lines 18-33), the method comprising the steps of: generating first data (mapping facility) that associates a first field (source application's field) with a plurality of code conversion rules (by generating a mapping database) (col. 7, lines 56 – col. 8, lines 9); generating second data (multiple field flag) that, for each conversion rule of the plurality of code conversion rules (conversion record in mapping database), associates the conversion rule with criteria for applying the conversion rule (mapping record is used to map multiple fields from a source database to a single field in a target database) (col. 7, lines 56 – col. 8, lines 9), wherein the criteria is based on one or more other fields (multiple field flag) other than the first field (source application field); receiving a first code (address / phone / title / company / street / city / state / zip) for the first field and zero or more codes for the one or more other fields (col. 10, lines 30 – col. 11, lines 23, Fig. 11); inspecting the first data (mapping database) and the second data (multiple field flag) to determine which particular code conversion rule of the plurality of code conversion rules should be applied based on: the zero or more codes, and the criteria associated with each conversion rule of the plurality of code conversion rules (col. 7, line 56 – col. 8, line 54; Fig. 11); and converting the first code based on the particular code conversion rule that

should be applied to convert the first code (translation) (col. 7, line 40 – col. 8, line 54; Fig. 11).

As to claim 2, refer to claim 1 for rejection. Claim 2 further details a third data that associates a second field with a plurality of code conversion rules and receiving and converting the second code of a second field based on a particular code conversion rule. CROZIER teaches mapping and translations of fields from one database system to another database systems. Since multiple fields are mapped in the database, it is inherent that there exist a second field that is also mapped as detailed for the first field.

As to claim 3, CROZIER teaches converting the first code includes converting the first code into one other code (col. 5, lines 42-56).

As to claim 6, CROZIER teaches the criteria associated with each conversion rule of the plurality of code conversion rules (mapping records in Mapping database) specifies a value (N / Y) for a field (MultiFld) of the one or more other fields (Fig. 10).

As to claim 7, CROZIER teaches the step of determining which particular code conversion rule should be applied further includes determining, for a given conversion rule of the plurality of code conversion rules, whether a particular value (Y) specified by the criteria associated with the given conversion rule matches a respective code from the zero codes (col. 10, lines 11-29).

As to claim 9 and 11, refer to claim 3 for rejection.

As to claims 12-14, 17, 18, 20 and 22, reference is made to a computer readable medium that corresponds to the method of claims 1-3, 6, 7, 9, and 11 and is therefore met by the rejection of claims 1-3, 6, 7, 9, and 11 above.

6. Claims 23-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Davis (US 4,939,689).

As to claim 23, DAVIS teaches a method for converting code values between applications, the method comprising: storing first data (field mapper) that associates a plurality of code conversion rules (mapping functions) with a field (field); receiving an application code (data) associated with the field; selecting, based on the first data, a single code conversion rule (one-to-many mapping function) from the plurality of code conversion rules (one-to-one, one-to-many, one-to-nothing); and converting the application code based on the single code conversion rule into a plurality of other codes (col. 4, lines 35-51; col. 13, line 30 – col. 15, line 43; col. 4, lines 14-18).

As to claim 24, DAVIS teaches the step of converting the application code further includes converting the application code into a plurality of other codes specified by a user for the single code conversion rule (operator established the mapping) (col. 4, lines 35-51; col. 13, line 30 – col. 15, line 43; col. 4, lines 14-18).

As to claims 25 and 26, reference is made to a computer readable medium that corresponds to the method of claims 23 and 24 and is therefore met by the rejection of claims 23 and 24 above.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (703) 305-0439. The examiner can normally be reached on Monday-Friday, 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-8498. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-0286.

A handwritten signature in cursive script, appearing to read "Lewis A. Bullock, Jr.", is positioned to the right of the text block.

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